

AD-A044 591

ROYAL AIRCRAFT ESTABLISHMENT FARNBOROUGH (ENGLAND)
THE PUBLICATIONS OF DIETRICH KUECHEMANN, (U)
AUG 76 R W SLANEY

F/G 20/4

UNCLASSIFIED

RAE-LIBRARY BIB-357

DRIC-BR-57421

NL

| OF |
AD
A044 591



END
DATE
FILMED
10-77
DDC

LIBRARY
BIB'Y No. 357

UNLIMITED

LIBRARY
BIB'Y No. 357

AD A 044591

BR57421

ROYAL AIRCRAFT ESTABLISHMENT

LIBRARY BIBLIOGRAPHY No. 357

THE PUBLICATIONS OF DIETRICH KÜCHEMANN

Compiled by

R. W. Slaney

AUGUST 1976

DDC
RECEIVED
SEP 23 1977
A

AD No. —
DDC FILE COPY

PROCUREMENT EXECUTIVE, MINISTRY OF DEFENCE
LONDON, W.C.2.

ROYAL AIRCRAFT ESTABLISHMENT

14 RAE - Library Bibliography - 357

Received for printing 25 Aug 1976

6 THE PUBLICATIONS OF DIETRICH KÜCHEMANN

compiled by

10 R. W. Slaney

18 DRIC

19 BR-57421

12 25p.

COPYRIGHT ©

CONTROLLER HMSO LONDON
1976

Reports quoted are not necessarily available to members of the public, or to commercial organisations.

Requests for RAE numbered documents should be addressed to the Defence Research Information Centre, Station Square House, St. Mary Cray, Orpington, Kent BR5 3RE.

310 450

mt

Prof. Dr. D. Küchemann, CBE, Dr. rer. nat., FRS, C.Eng., FRAeS, FIMA, FAIAA, Hon.D.Sc. (CIT), Dr.Ing.E.h. (Berlin), Hon.D.Sc.Eng. (Bristol), Hon.M.Aero.Soc., India was born in Göttingen on 11 September 1911.

He studied at Göttingen and München Universities, receiving his Dr. rer. nat. at Göttingen in 1936. From then until 1946 he worked at the Aerodynamische Versuchsanstalt Göttingen e.V., when he moved to the Aerodynamics Department of the RAE at Farnborough. He became head of the Department from 1966 to 1971, and continued as a Consultant to the Department until his death on 23 February 1976.

From 1972 until his death he was also Visiting Professor in the Department of Aeronautics at the Imperial College of Science and Technology of the University of London. Citations to his writings are arranged chronologically, beginning with his doctoral dissertation in 1936. Elected FRS in 1963 and appointed Commander of the Order of the British Empire in 1964, he received the Silver Medal of the Royal Aeronautical Society in 1962 and in 1969 their Gold Medal and the Enoch Thulin Medal of the Swedish Society for Aeronautics and Astronautics. The Ludwig-Prandtl-Ring of the Deutsche Gesellschaft für Luft- und Raumfahrt followed in 1970, an honorary D.Sc from Cranfield Institute of Technology in 1973, the Dr.Ing.E.h. of the Technische Universität, Berlin, and the honorary D.Sc in engineering of the University of Bristol in 1975. Finally he received the Baillie memorial trophy from the Bristol Branch of the Royal Aeronautical Society.

| | |
|-----------------------------------|------------------------|
| ACCESSION BY | |
| DATE | BY |
| RECEIVED | NOT RECORDED |
| BY | |
| DISTRIBUTION / AVAILABILITY CODES | |
| DATE | AVAIL. SRC. OR SPECIAL |
| | |

ABBREVIATIONS

| | |
|-------------------|--|
| AGARD | North Atlantic Treaty Organisation, Advisory Group for Aerospace Research and Development. |
| AGARD AR | AGARD advisory report. [<i>Report series</i>] |
| AGARD AG | AGARDograph. [<i>Report series</i>] |
| AGARD CP | AGARD conference proceedings. [<i>Report series</i>] |
| AGARD LaWs | AGARD Large Windtunnels Working Group |
| AGARD R | AGARD report. [<i>Report series</i>] |
| ARC | Aeronautical Research Council |
| ARC CP | ARC current paper. [<i>Report series</i>] |
| AVA | Aerodynamische Versuchsanstalt Göttingen, e.V. |
| AVA Monog | Monographien Über Fortschritte der deutschen Luftfahrtforschung seit 1939. [In 1945 the AVA was taken over by the UK Ministry of Aircraft Production, and under their direction it was decided to issue a series of monographs, under the general editorship of Professor A. Betz, to provide the full results of German aeronautical research during the second World War. In structure this series resembles an encyclopaedia. Indexes, edited by J. Stüper were published as MAP-VG 327-1027T to MAP-VG 332-1032T inclusive and also as R & T 1027 to 1032. It was intended that this series would remove all need to consult original reports, except in very exceptional circumstances.] |
| DGLR | Deutsche Gesellschaft für Luft- und Raumfahrt, e.V. |
| dt.Akad. Luft | Deutsche Akademie der Luftfahrtforschung |
| GDC | UK Ministry of Supply, Technical Information Bureau, German Document Centre or Collection. [<i>Report series</i>] |
| IUTAM | International Union of Theoretical and Applied Mechanics. |
| J.Aeronaut.Sci | Journal of the aeronautical sciences. |
| J.R.Aero.Soc | Journal of the Royal Aeronautical Society. |
| Jb | Jahrbuch. |
| Jb.dt.Luft-Forsch | Jahrbuch (year) der deutschen Luftfahrtforschung |
| L.G.L. | Lillienthalgesellschaft für Luftfahrtforschung |
| MAP-VG | UK Ministry of Aircraft Production - Völkenrode reference. [<i>Report series</i>] |

| | |
|---------|--|
| Mitt | Mitteilungen. [<i>Report series</i>] |
| NACA | USA National Advisory Committee for Aeronautics |
| NACA TM | NACA technical memorandum. [<i>Report series</i>] |
| P | [<i>accession number of overseas document acquired by the UK Ministry of Defence, Defence Research Information Centre, and its predecessor organisations.</i>] |
| R & M | ARC reports and memoranda. [<i>Report series</i>] |
| R & T | UK Ministry of Supply, Reports and Translations. [<i>Report series</i>] |
| RAE LT | Royal Aircraft Establishment, library translation. [<i>Report series</i>] |
| RAE TM | Royal Aircraft Establishment, technical memoranda. [<i>Report series</i>] |
| RAE TN | Royal Aircraft Establishment, technical note. [<i>Report series</i>] |
| RAE TR | Royal Aircraft Establishment, technical report. [<i>Report series</i>] |
| TIB | UK Ministry of Supply, Technical Information Bureau. |
| UM | Untersuchungen und Mitteilungen der deutsche Luftfahrtforschung von der ZWB. [<i>Report series</i>] |
| VDI | Verein Deutscher Ingenieure. |
| WGLR | Wissenschaftlichen Gesellschaft fuer Luft- und Raumfahrt, e.V. |
| ZAMM | Zeitschrift für Angewandte Mathematik und Mechanik. |
| ZWB | Zentrale für wissenschaftliches Berichtswesen bei der Deutschen Versuchsanstalt für Luftfahrt, e.V. |
| later | Zentrale für wissenschaftliches Berichtswesen der Luftfahrtforschung des Generalluftzeugmeisters. |
| ZWB.Fb | Forschungsbericht von der ZWB. [<i>Report series</i>] |
| ZWB.TB | Technische Berichte von der ZWB. |

- 1936 Stabilität der Gasströmung mit linearer Geschwindigkeitsverteilung längs einer ebenen Platte. Inaugural-Dissertation zur Erlangung der Doctorwürde der Mathematisch-Naturwissenschaftlichen Fakultät der Georg-August-Universität zu Göttingen.
[Stability of gas flows with linear velocity distribution along a flat plate: doctoral dissertation.]
- 1937 Berechnung der Auftriebsverteilung über die einzelnen Flügel eines Doppeldeckers. ZWB FB890 + Luftfahrtforschung 15 (1938) 543-555 + Jb. 1938 dt. Luft-Forsch. I. 136-148.
Investigation of the lift distribution over the separate wings of a biplane. NACA TM 889 (1939).
[Also translated as GDC 10/152T - Calculation of the lift distribution over wings of a biplane.]
- 1938 Letter to the editor [a note on Sherman's integrator] J. Aeronaut. Sci. 5 (8) 312.
- 1938 Störungsbewegungen in einer Gasströmung mit Grenzschicht. ZAMM 18 207-222.
[Small perturbations and stability of a compressible flow with boundary layer (dissertation).]
- 1938 (with I. Flügge-Lotz)
Zusammenfassender Bericht über Abwindmessungen ohne und mit Schraubenstrahl. Jb 1938 dt. Luft-Forsch. I 172-193.
Summarised report on measurements of downwash with and without slipstream. TIB.T870.
Bemerkungen zum "Zusammenfassender Bericht über Abwindmessungen ohne und mit Schraubenstrahl". LGL.A 50/2.
[Notes on "summarised"]
- 1940 Bemerkung über den Einfluss des Seitenverhältnisses auf den Zusammenhang von Normalkraft und Tangentialkraft eines Tragflügels. ZAMM 20 (5) 290-291 and ZAMM 22 (5) 304 (1942).
[Note on the influence of the aspect ratio on the relationship between normal and tangential force of an aerofoil.]
- 1940 Tafeln für die Stromfunktion und die Geschwindigkeitskomponenten von Quellring und Wirbelring. Jb. 1940 dt. Luft-Forsch I. 547-564.
Tables for the stream function and the velocity components of a source-ring and a vortex ring. MAP-VG 10-308T + GDC 1598T + ARC 10615 + R & T 308 (1946).
- 1940-1944 Über die Strömung an ringförmigen Verkleidungen endlicher Dicke. ZWB Fb 1236 + AVA Bericht 40/1/13 + GDC 10/1139 (1940).
Note: Some lists show 1941 - Ringförmige Tragflügel as a revised version of this.
Concerning the flow about ring-shaped cowlings of finite thickness. Part 1. NACA TM 1325 (1952).

(with J. Weber)

Über die Strömung an ringformigen Verkleidungen.

II Mitteilung: Ringkörper unendlicher Tiefe mit Zirculation bei stossfreiem Eintritt. ZWB Fb 1236/2 + AVA Bericht 40/1/19 (1940).

Concerning the flow about ring-shaped cowlings. Part II: annular bodies of infinite length with circulation for smooth entrance. NACA TM 1326 (1951).

(with J. Weber)

III Mitteilung: Dünne Ringprofile. ZWB Fb 1236/3 + AVA Bericht 41/1/8 (1941).

[Part 3: thin ring profiles]

Note: Some lists show 1943 - *Die Berechnung dünner Ringprofile* as a second edition of this.

(with J. Weber)

IV Mitteilung: Windkanalmessungen an Einlaufgeräten. ZWB Fb 1236/4 + AVA Bericht 41/1/12 + GDC 10/1136 (1941).

[Part 4: windtunnel measurements on inlets]

(with J. Weber)

V Mitteilung: Experimentelle Untersuchungen an Ringprofilen endlicher Tiefe. ZWB Fb 1236/5 + AVA Bericht 42/A/02 + GDC 10/1135 (1942).

[Experiments on ring profiles of finite chord]

(with J. Weber)

VI Mitteilung: Weitere Messungen an Einlaufgeräten. ZWB Fb 1236/6 + AVA Bericht 42/A/04 + GDC 10/1134 (1942).

Part VI - Further measurements on inlet devices. NACA TM 1327 (1951).

VII Mitteilung: Die Mantelschraube ZWB Fb 1236/7 + AVA Bericht 42/A/15 + GDC 10/1133 + P 34507 + TIB.T 3568 (1942).

[The shrouded propeller]

(with J. Weber)

VIII Mitteilung: Weitere Messungen an Ringprofilen. ZWB Fb 1236/8 + AVA Bericht 43/A/08 + GDC 10/1141 (1943).

Part VIII - Further measurements on annular profiles. NACA TM 1328 (1952).

(with J. Weber)

IX Mitteilung: Der Einfluss der Schräganblasung auf die uebergeschwindigkeiten und Luftkräfte am vorderen Teil von Ringhauben. ZWB Fb 1236/9 + AVA Bericht 43/A/10 + GDC 10/1142 (1943).

Part IX - the influence of oblique oncoming flow on the incremental velocities and air forces at the front part of circular cowls. NACA TM 1329 (1952)

(with J. Weber)

XI Mitteilung: Wandnahe Einläufe. UM 3051 + AVA Bericht 43/A/27 (1943).

[Part 11: inlets near a wall]

(with J. Weber)

XII Mitteilung: Zwei neue Klassen von Ringhauben. UM 3111 + AVA Bericht 44/A/18 (1944).

Part XII - Two new classes of circular cowls. NACA TM 1360 (1953)

XIII Mitteilung: Der Einfluss einer vorgezogenen Nabe. UM 3144 + AVA Bericht 44/A/24 (1944).

Part XIII - The influence of a projecting hub. NACA TM 1361 (1953).

1941 Auftriebsverteilungsrechnungen für eine systematische Reihe von Doppeldeckeranordnungen. Luftfahrt - Forschung 18 (6) 205-213.

[Span-loading distributions for a systematic series of biplanes.]

1941 (with E. von Holst)

Biologische und aerodynamische Probleme des Tierfluges. Naturwissenschaften 29 (24/25) 348-362.

Biological and aerodynamical problems of animal flight (abridged from ...) R. Aero. Soc. 46 (374) 39-56 (1942).

1941 Dreikomponentenmessungen an einem Flügel mit rotierendem Hilfsflügel ZWB Fb 1513 + AVA Bericht 41/14/46 + GDC 10/1648.

[Wind tunnel tests on a wing with a rotating auxiliary aerofoil]

1941 Ringförmige Tragflügel. ZWB TB 8 (2) 53-58.

[Annular wings]

Note: Some lists show this as a revised version of 1940-1944 - *Über die Strömung an ringförmigen Verkleidungen endlicher Dicke* (1940).

1941 (with F. Vandrey)

Über den Einfluss der Düse (oder des Auffangtrichters) auf Widerstandsmessungen im Freistrah. ZAMM 21 (1) 17-31.

The influence of the nozzle (or of the collector cone) on the measurements of resistance in an open-jet wind tunnel. TIB T 1329.

Über den Einfluss der Düse auf Widerstandsmessungen im Freistrah II. ZAMM 22 (1) 15-22 (1942).

The influence of the nozzle on resistance measurements in the free jet - II. TIB T 1825.

1941 (with J. Weber)

Über ringförmige Triebwerksverkleidungen (Theorie und Messungen) LGL Bericht 144 + AVA Bericht 41/1/14.

[On annular power plant fairings]

- 1941 *(with E. von Holst)*
Zur Aerodynamik des Tierfluges. Luftwissen 8 (9) 277-282.
Aerodynamics of animal flight. TIB T 1682.
- 1941 *(with F. Vandrey)*
Zur Geschwindigkeitskorrektur in Windkanälen mit freier Messtrecke unter besonderer Berücksichtigung des Düseninflusses. Jb 1941 dt. Luft-Forsch. I. 667-671 + AVA Bericht 41/1/9.
[Blockage corrections in open jet wind tunnels, with special consideration of the influence of the nozzle]
- 1942
Auftrieb und Widerstand eines rotierenden Flügels. ZWB Fb 1651 + AVA Bericht 42/W/37 + GDC 10/295.
[Lift and drag of a rotating wing]
- 1942 *(with J. Weber)*
Berechnung eines Haubenprofiles (BMW). AVA Bericht 42/A/18.
[Calculation of a cowling profile (BMW)]
- 1942
Der Einfluss einer Verkleidung auf die Axialkräfte an Kühlern und Luftschrauben. ZWB TB 9 (1) 19-21 + AVA Bericht 41/1/20.
[Influence of a fairing on the axial forces at radiators and propellers]
- 1942
Geschwindigkeitskorrektur bei Windkanalmessungen. VDI-Zeitschrift 86 (49/50) 754-755.
[Blockage correction in wind tunnel measurements]
- 1942 *(with J. Weber)*
Kennzahleinfluss bei einer Modellluftschraubenmessung. AVA Bericht 42/A/13.
[Scale effect in testing model airscrews]
- 1942 *(with J. Weber)*
Messungen an Mantelschrauben. AVA Bericht 42/A/10.
[Wind tunnel tests on ducted airscrews]
- 1942 *(with J. Weber)*
Rechnungen zum Einbau eines Kühlers. AVA Bericht 42/A/07.
[Calculations for the installation of a cooler]
- 1942 *(with E. von Holst and K. Solf)*
Der Triebflügel: eine Vereinigung von Vortriebs- und Auftriebsorgan. Jb. (1942) dt. Luft-Forsch I. 435-443 + ZWB TB 10 (1).
The thrust wing. An integration of the means of propulsion and lift. RAE LT 1177 (1968)
- 1942-1945 [The installation of coolers]
(with J. Weber)
Der Einbau von Kühlern. ZWB Fb 1566 + AVA Bericht 42/A/03 + GDC 10/1323 (1942)

(with J. Weber)

II Teilbericht: Theoretische und experimentelle Grundlagen. UM 3009 + AVA Bericht 43/A/13 (1943)

[Part 2: theoretical and experimental fundamentals]

(with J. Weber)

III Teilbericht: Messungen an schräg angeblasenen ungestaffelten Kühlerblöcken bei parallelem zu- und Abstrom. UM 3011 + AVA Bericht 43/A/12 (1943)

[Part 3: measurements at unstaggered radiators in oblique flow]

(with J. Weber)

V Teilbericht: Messungen an einem schräg angeblasenen gestaffelten SKF - Wasserschneidenblock bei parallelem Zu- und Abstrom. UM 3021 + AVA Bericht 43/A/16 (1943)

[Part 5: measurements at a staggered SKF-water cooler at oblique flow]

(with J. Weber)

VI Teilbericht: Weitere Messungen bei schräg angeblasenen SKF-Kühlerblöcken. UM 3042 + AVA Bericht 43/A/23 (1943)

[Part 6: further measurements at SKF-cooler blocks in oblique flow]

(with J. Weber)

VIII Teilbericht: Messungen an theoretischen Stromliniendiffusoren. UM 3074 + AVA Bericht 44/A/04 (1944).

[Part 8: measurements at theoretically streamlined diffusors]

(with J. Weber)

IX Teilbericht: Der Einfluss einer Strömungslenkung hinter dem Kühlerblock. UM 3098 + AVA Bericht 44/A/12 (1944).

[Part 9: influence of a turning of the flow behind the radiator]

X Teilbericht: Messungen an einen gewölbten SKF-block und an drei Blöcken von Firmag-System. UM 3099 + AVA Bericht 44/A/13 (1944)

[Part 10: measurements at a curved SKF-cooler block and at three blocks of the Firmag system]

XI Teilbericht: Allgemeine Betrachtungen über die Schleppleistung einer Kühlanlage und über die Bewertung von Kühlsystemen. UM 3108 + AVA Bericht 44/A/16 (1944)

[Part 11: general considerations on the cooling power loss and on the valuation of radiator systems]

XIII Teilbericht: Schutzkörper zur Erhöhung der Beschusssicherheit sowie Messungen an Umlenkgrittern. UM 3113 + AVA Bericht 44/A/19 (1944).

[Part 13: intercepting bodies for bullet protection and measurements at guide vanes]

XV Teilbericht: Der Einfluss eines Strömungsüberlanfes. UM 3148 + AVA Bericht 44/A/26 (1944)

[Part 15: influence of a by-pass flow]

(with J. Weber)

XVI Teilbericht: Messungen an einfach zu konstruierenden Diffusorformen. UM 3183 + AVA Bericht 44/A/32 (1944).

[Part 16: measurements at simply constructed diffuser shapes]

(with J. Weber)

XVII Teilbericht: Zur Frage des Kühlereinbaues bei einmotorigen Otto-Jägern mit Heckschraube. UM 3189 + AVA Bericht 44/A/34 (1944).

[Part 17: on the question of the cooler installation in single engined Otto fighters with tailscrew]

(with J. Weber)

XIX Teilbericht: Messungen an einem Serienkühlerkopf DB 8603. UM 3230 + AVA Bericht 44/A/08 (1945).

[Part 19: measurements on a serial cooler head]

(with J. Weber)

XX Teilbericht: Weitere Betrachtungen über die Schleppleistung einer Kühlanlage und über die Bewertung von Kühlsystem. AVA Bericht 45/A/12.

Part 20: further considerations about the cooling power loss of a radiator arrangement and about the valuation of radiator systems. MAP-VG-15-161T + R & T 161 + GDC 10/4490T (1946)

1943 Aerodynamische Aufgaben bei Sondertriebwerken. UM 3199 + AVA Bericht 43/A/19.

[Aerodynamic problems with special power units]

1943 (with J. Weber)

Die Berechnung dünner Ringprofile. Jb. 1943 dt. Luft-Forsch. IA 023 1-14 + AVA Bericht 43/A/04 + ZWB TB 10 (9).

The calculation of thin ring profiles. MAP-VG 62-858T + R & T 858 + GDC 10/13007T + ARC 11208 (1946).

Note: Some lists show this as a second edition of 1940-1944 III Mitteilung: Dünne Ringprofile (1941)

1943 (with J. Weber)

Betrachtungen zum Einbau von Kühlern. AVA Bericht 43/A/1.

[Considerations on the installation of coolers]

1943 (with J. Weber)

Das Einlaufproblem bei Triebwerksverkleidungen. Mitt. dt. Akad. Luft 5004 + AVA Bericht 42/A/19.

and Das Ansaugproblem für Triebwerksverkleidungen. Schriften 1944 dt. Akad. Luft.

The intake problem at power unit fairings. MAP-VG 154-813T + R & T 813 + ARC 11556 + GDC/624T (1947)

- 1943 Strahlausbreitung in Wandnähe. UM 3057.
Jet diffusion in the proximity of a wall. NACA TM 1214 (1949)
- 1943 (with J. Weber)
Die Stromung im Inneraum bei zwei Messerschmitt-Kühlereinbau-
Entwürfen. UM 3037 (1943).
[Flow in the duct of two Messerschmitt radiator designs]
- 1944 Bericht über das Göttinger Versuchsprogramm zum Einbau von TL -
Triebwerken. UM 3125 + AVA Bericht 44/A/23.
Report on the Göttingen test program concerning the installation of
TL-power units. MAP-VG 132-803T + R & T 803 + GDC 10/5440T
- 1944 Druckverteilungsmessungen an einem Rechteckflügel mit Triebwerk.
UM 3157
[Pressure measurements on a rectangular wing with engine nacelles]
- 1944 Eichkurven für die Geschwindigkeitssonden in den Messkühlern 1 und
2 für das DB- Trommelkühlermodell 1:1. AVA Bericht 44/A/11.
[Calibration curves for blockage probes in radiator measurements 1
and 2 for the DB cylindrical radiator model 1:1]
- 1944 Grundsätzliches zum Strahlflügel. UM 3123 + AVA Bericht 44/A/22.
[Fundamentals of the jet wing, i.e. effect of duct losses on an
aerofoil with an intake at the leading edge and a jet from the
trailing edge]
- 1944 (with J. Weber)
Voruntersuchungen über den Einstromvorgang beim Argus-Schmidt-Rohr.
UM 3198 + AVA Bericht 44/A/37.
[Preparatory investigations on the inflow in the Argus-Smidt pipe]
- 1944 (with J. Weber)
Zur Frage: "Kreisrunde oder ovale Hutzen?" UM 3058.
[On the question: circular or oval air intakes?]
- 1945 Bemerkung zum Betz-Knoller-Effekt. Betz-Festschrift 83-88.
Remark on the Betz-Knoller effect. MAP-VG 80-46T + R & T 46 +
ARC 9728 (1946)
- 1945 Einläufe in einer ebenen Wand. UM 3221 + AVA Bericht 45/A/02.
[Flush air intakes in a plane wall]
- 1945 Triebwerksaerodynamik. AVA Bericht 45/A/10.
Aerodynamics of power plants. MAP-VG 14-61T + R & T 61 + GDC
10/4275T + ARC 9822 (1946)

- 1945 Über einige Fragen der Vortriebserzeugung. Göttingen monograph (Betz Festkolloquium).
On some problems of the production of propulsion. MAP-VG 159-104T + R & T 104 + GDC 10/4282T + ARC 9877 (1946)
- 1945 Der Widerstand von Körpern, die an einer Wand angebracht sind. AVA Bericht 45/A/13.
The resistance of bodies fixed on a wall. MAP-VG 16-79T + R & T 79 + GDC 10/4278T + ARC 9831 (1946)
- 1945 (with A. Scherer)
Zur Frage des Triebwerkseinbaues bei Ein - TL - Jägern. UM 3205 + AVA Bericht 45/A w/6.
On the question of the installation of the power plant in one-TL-fighters, MAP-VG 133-804T + R & T 804 + GDC 10/5488T.
- 1946 (edited by W. Encke)
Aerodynamik der Strahltriebwerke. AVA Monog. Band J3 + R & T 897/898.
3. Aerodynamik wichtiger Einzelteile
Aerodynamics of jet propulsion units [3: aerodynamics of the main components] 3.4: the duct system, 3.41: survey of the processes at the duct system of power units. In MAP-VG 280-980T + R & T 980 (1947)
4. Behandlungen einzelner Triebwerksarten als Ganzes.
4.1 (with J. Weber) Die Mantelschraube
(with J. Weber)
Turbine and jet units, 4: treatment of individual types of power unit as a whole, 4.1: the ducted screw. MAP-VG 281-981T + R & T 981 + GDC 3229 (1948)
- 1946 (editor, with J. Weber)
Der Einbau von Strahltriebwerken. AVA Monog. Band K3 + R & T 197.
1. Ueberblick über die verschiedenen. Einbaumöglichkeiten und deren jeweilige aerodynamische Aufgaben.
2. Behandlung der aerodynamischen Teilaufgaben.
The installation of jet propulsion units, section 1: survey on the different possibilities of the installation and their aerodynamical problems, and 2.2 (with J. Weber): flow processes in power plants. MAP-VG 237-937T + R & T 937 + GDC 1025T (1947)
3. (with J. Weber) Gegenüberstellung der verschiedenen Einbaumöglichkeiten.
(with J. Weber)
The installation of jet propulsion units, 2: treatise on the aerodynamical problems, 2.5: jet influences and 3: comparison of the different possibilities of installation. MAP-VG 240-940T + R & T 940 + ARC 11606 (1947)

4. Anhang. Ueber die Möglichkeiten, die Auftriebserzeugung mit der Vortriebserzeugung zu verbinden.

The installation of jet-propulsion-units, 4: appendix: on the possibility of connecting the production of lift with that of propulsion, 4.1: survey of the different lines of aeroplane development, 4.2: the jet wing. In MAP-VG 241-941T + R & T 941 + ARC 11704 + GDC 2525T (1947)

1946

(editor, with J. Weber)

Kühlung. AVA Monog. Band J1 + R & T 155 + ARC 10018

1. (with J. Weber) Vorbemerkungen

(with J. Weber)

Cooling, 1: preliminary remarks. MAP-VG 214-914T + R & T 914 + GDC 1659T (1947)

2. (with J. Weber) Die einzelnen Strömungsvorgänge

(with J. Weber)

Cooling, 2: the processes of the flow, 2.1: the radiator in the straight duct. MAP-VG 215-915T + R & T 915 + GDC 1042T (1947)

(with J. Weber)

Cooling, 2: the processes of the flow, 2.2: physical processes of the block with oblique inflow. MAP-VG 216-916T + R & T 916 + GDC 1579T (1947)

(with J. Weber)

Cooling, 2: the processes of the flow, 2.3: the diffuser. MAP-VG 217-917T + R & T 917 + GDC 1030T (1947)

(with J. Weber)

Cooling, 2: the processes of the flow, 2.4: the outflow duct and 2.5: the radiator fairing. MAP-VG 218-918T + R & T 918 + GDC 1027T (1947)

3. (with J. Weber) Der eingebaute Kühler als Ganzes.

(with J. Weber)

Cooling, 3: the installed radiator as a whole, 3.1: the size of the frontal area of the radiator, 3.2: the power loss due to the cooling plant. MAP-VG 219-919T + R & T 919 + GDC 2536T + ARC 11522 (1947)

4. (with J. Weber) Spezielle Einbauformen.

(with J. Weber)

Cooling, 4: special types of installation, 4.1: underslung radiator and wing radiator. MAP-VG 220-920T + R & T 920 + GDC 1029 (1947)

(with J. Weber)

Cooling, 4: special types of installation, 4.2: ring radiator, 4.3: comparison of cooler arrangements of stern engines; trend of development. MAP-VG 221-921T + R & T 921 (1947)

5. (with J. Weber) Zwangskühlung.

(with J. Weber)

Cooling, 5: compulsory cooling, 5.1: the cooling blower [and 5.2: cooling air supply by an exhaust gas jet pump] MAP-VG 222-922T + R & T 922 + GDC 2527T + ARC 11512 (1947)

6. (with J. Weber) Spezielle Kühlaufgaben.

(with J. Weber)

Cooling, 6: special problems of cooling, 6.1: supercharger air cooling, 6.2: surface cooling, 6.3: air cooling of engines. MAP-VG 223-923T + R & T 923 + GDC 2532T (1947)

1946

(editor, with J. Weber)

Triebwerksverkleidungen. AVA Monog. Band J2 + R & T 893/896.

1. (with J. Weber) Vorbemerkungen.

(with J. Weber)

Power-unit ducts, 1: general remarks. MAP-VG 283-983T + R & T 983 (1948)

2. (with J. Weber) Exkurs über das Strahlproblem als charakteristische Aufgabe der Triebwerksaerodynamik.

(with J. Weber)

Power-unit ducts, 2: excursion on the jet problem as the characteristic problem of power unit aerodynamics. MAP-VG 284-984T + R & T 984 (1948)

3. (with J. Weber) Die Einlaufströmung.

(with J. Weber)

Power-unit ducts, 3: the inflow, 3.1: physical fundamentals, 3.2: calculation methods for intake contours. MAP-VG 285-985T + R & T 985 (1948)

(with J. Weber)

Power-unit ducts, 3: the inflow, 3.3: properties of intake contours in the case of undisturbed inflow, 3.31: annular cowlings. MAP-VG 286-986T + R & T 986 (1948)

(with J. Weber)

Power-unit ducts, 3: the inflow, 3.3: properties of intake contours in the case of undisturbed inflow, 3.32: two dimensional intake contours, 3.33: three dimensional intakes and 3.4: disturbances of the intake flow. MAP-VG 287-987T + R & T 987 (1948)

4. (with J. Weber) Die Auslaufströmung.

5. (with J. Weber) Die Innenströmung.

(with J. Weber)

Power-unit ducts, 4: outflow problems and 5: inner flow. MAP-VG 288-988T + R & T 988 (1948)

6. (with J. Weber) Verkleidungen endlicher Tiefe.

(with J. Weber)

Power-unit ducts, 6: fairings of finite length, 6.1: fairings with constant pressure distribution (equal pressure contours), 6.2: theory of thin cowlings. MAP-VG 289-989T + R & T 989 (1948)

(with J. Weber)

Power-unit ducts, 6: fairings of finite length, 6.3: theory of thick fairings, 6.4: experimental investigations on annular profiles, 6.5: experimental investigations on flat double-profiles. MAP-VG 290-990T + R & T 990 (1948)

1947

(with J. Weber)

Calculation of the velocity distribution at zero lift on the Handley Page crescent wing with suggested modifications to improve this. RAE TM Aero 1

1947

Design of wing junction, fuselage, and nacelles to obtain the full benefit of sweptback wings at high Mach number. RAE report Aero 2219 + ARC 11035

1947

(with R. Hills)

A note on cranked sweptback wings. RAE TN Aero 1911 + ARC 10971

1948

(with J. Weber)

Low speed tunnel tests on intersection of two rectangular wings with various fairings in the junction. RAE report Aero 2260 + ARC 11710.

1948

Low speed tunnel tests on intersection of unswept or sweptback tail-planes with swept fin, with various fairings in the junction. RAE report Aero 2296 + ARC 12243

1948

Theoretical velocity distributions and profile shapes at tips of swept wings. RAE TN Aero 1932

1949

(with J. Weber)

The downwash in the plane of symmetry of swept wings. RAE TM Aero 52

1949

Naturwissenschaft und Verantwortung. Geist und Tat 4 (10) 447-450. [Science and responsibility]

1949

(with J. Weber)

On the chordwise lift distribution at the centre of swept wings. RAE TM Aero 60 + Aeronautical Quarterly 2, 146-155 (1950)

1949

The velocity rise with Mach number on slender bodies of revolution and on circular air intakes. RAE TN Aero 1996 + ARC 12532

1950

A simple method for calculating the span and chordwise loadings on thin swept wings. RAE report Aero 2392 + ARC 13758

1951

Einige Bemerkungen zum Vogelflug. Thermik-Modellflug, 4, (3) M21-24. [Some remarks on the flight of birds]

- 1951 *(with D.J. Kettle)*
The effect of endplates on swept wings. RAE report Aero 2429 + ARC CP 104
- 1951 *(with J. Weber and G.G. Brebner)*
Low speed tests on wings of 45° sweep, part 2: balance and pressure measurements on wings of different aspect ratio. RAE report Aero 2419 + ARC 14139 + R & M 2882
- 1951 A simple rule for the velocity rise with subsonic Mach number on ellipsoids of revolution. J. Aeronaut. Sci., 18, 770
- 1952 The cross-flow velocity near the tip of a straight wing at zero lift. RAE TM Aero 282
- 1952 *(with L.H.G. Sterne)*
A review of research work on swept-wings in RAE Tunnels Group. RAE TM Aero 296
- 1952 A simple method of calculating the span and chordwise loading on straight and swept wings of any given aspect ratio at subsonic speeds. RAE report Aero 2476 + R & M 2935 (1956)
- 1952 Some methods of determining the effect of the boundary layer on the lift slope of straight and swept wings. RAE TN Aero 2167 + ARC 15245
- 1953 *(with J. Weber)*
Aerodynamics of Propulsion. McGraw-Hill.
Aerodinamika aviatsionnykh dvigatelei, edited by D.A. Mel'nikova. Moscow, Izdat. Inostrannoi Literatury, 1956
- 1953 The distribution of lift over the surface of swept wings. Aeronautical Quarterly 4, 261-278
- 1953 Some notes on the flow past aerofoils with a jet emerging from the lower surface. RAE TM Aero 399 + ARC 16423
- 1953 *(with J. Weber)*
The subsonic flow past swept wings at zero lift, without and with body. RAE TM Aero 342 + R & M 2908 (1956)
- 1953 Types of flow on swept wings with special reference to free boundaries and vortex sheets. RAE TN Aero 2234 + ARC 15756 + J. R. Aero. Soc., 57, 683-699
- 1954 Some aerodynamic properties of a new type of aerofoil with reversed flow through an internal duct. RAE TN Aero 2297 + ARC 17014
- 1954 Some further notes on the flow past aerofoils with a jet emerging from the lower surface. RAE TM Aero 412 + ARC 17188
- 1954 *(with S.C. Redshaw)*
Some problems in aerodynamics and their solution by electrical analogy. RAE TN Aero 2323 + ARC 17078 + J. R. Aero. Soc., 60, 191-197 (1956)

- 1954 (with L.F. Crabtree and E.C. Maskell)
A survey of some research on the stalling of wings of contemporary design in progress at the RAE. RAE TN Aero 2331 + ARC 17066
- 1955 Boundary layers on swept wings. Their effects and their measurement. RAE TN Aero 2370 + AGARD AG/10/P6, 69
- 1955 (with D.E. Hartley)
The design of swept wings and wing-body combinations to have low drag at transonic speeds. RAE report Aero 2537 + ARC 17869
- 1955 The effects of viscosity on the type of flow on swept wings, paper 5 of Symposium on boundary layer effects in aerodynamics, NPL. Proceedings, HMSO
- 1955 Flow with separations. RAE TM Aero 453 + ARC 18222
- 1955 A non-linear lifting-surface theory for wings of small aspect ratio with edge separations. RAE report Aero 2540 + ARC 17769
- 1955 Notes on a visit to the USA, June-July 1955. RAE TM Aero 444
- 1955 Three-dimensional wings at zero lift, chapter 5. ARC 17699.
The displacement effect of wings in uniform flow, chapter VII of Incompressible aerodynamics, edited by B. Thwaites. Clarendon Press (1960)
- 1955 Three-dimensional wings with lift, chapter 6. ARC 17701.
The lifting effect of wings in uniform flow, chapter VIII of Incompressible aerodynamics, edited by B. Thwaites. Clarendon Press (1960)
- 1956 Acta Aeronautica; a proposal for a new journal. RAE TM Aero 458
- 1956 (with E.C. Maskell)
Controlled separation in aerodynamic design. RAE TM Aero 463 + ARC 18309
- 1956 Flow past inclined bodies of revolution. ARC 18289
- 1956 A method for calculating the pressure distribution over jet-flapped wings. RAE report Aero 2573 + R & M 3036 (1957)
- 1956 Methods of reducing the transonic drag of sweptback wings at zero lift. RAE TM Aero 478. J. R. Aero. Soc., 61, 37-42 (1957)
- 1956 Der nichtlineare Auftriebsanstieg von Rechteckflügeln sehr kleinen Seitenverhältnisses. Zeitschrift für Flugwissenschaften 4 (1/2) 70-73.
[The non-linear lift slope of rectangular wings of very small aspect ratio]

- 1956 (with R.G. Thorne)
A proposed research programme on the problems associated with flight at low supersonic speeds. RAE TM Aero 487
- 1956 (with E.C. Maskell)
Some remarks on the jet wing and VTOL aircraft. RAE TM Aero 490. Aeronautical Engineering Review, 16, 56 (1957)
- 1957 Note on the drag due to lift of slender wings. RAE TM Aero 475, J. R. Aero. Soc., 61, 423-424
- 1957 (with E.C. Maskell)
Some notes on problems relating to slender wings. RAE TM Aero 506
- 1957 Some remarks on the aerodynamics of supersonic civil aircraft. RAE TM Aero 497
- 1957 (with L.F. Crabtree and L. Sowerby)
Threedimensional boundary layers. ARC 19202 + chapter VIII of Laminar boundary layers, edited by L. Rosenhead. Clarendon Press (1962)
- 1958 A brief survey of the work done in Aerodynamics Department on swept wings and slender wings. RAE TM Aero 584
- 1958 The displacement flow past a body at zero lift and means of estimating the drag force on it. RAE TM Aero 571
- 1958 Some ways of obtaining integrated aircraft. RAE TM Aero 572 + Journal of the Helicopter Association of Great Britain 12 (3) 121-140
- 1959 Some considerations of aircraft shapes and their aerodynamics for flight at supersonic speeds. RAE TN Aero 2626 + ARC 21102
- 1959 Some remarks on loading actions on slender wings. RAE TM Aero 643
- 1960 Aircraft shapes and their aerodynamics for flight at supersonic speeds. RAE TM Aero 674 + ARC 22403 + Advances in Aeronautical Sciences, 3, 221-225 (1962)
- 1960 (with J. Reid)
Proposed experiments on gas ejection and external combustion in a supersonic airstream. RAE TM Aero 659 + ARC 21632
- 1960 Some notes on the Xth International Congress of Applied Mechanics at Stresa, and the 2nd ICAS Congress at Zurich. RAE TM Aero 698
- 1960 Some remarks on the design of slender wings with volume asymmetrically disposed. RAE TM Aero 669 + ARC 22278
- 1961 'Aerofoil', 'aspect ratio', 'chord (aerodynamics)', 'downwash', 'flow and drag, induced', 'lift, aerodynamic'. 'vortices, trailing', 'zero-lift angle' and 'zero-lift moment'. In Encyclopaedic dictionary of Physics, edited by J. Thewlis. Pergamon Press

- 1961 (with A. Spence)
A brief outline of some of the present aerodynamic work on supersonic transport aircraft. RAE TM Aero 728 + ARC 23035
- 1961 CAT tests on bodies of revolution: copy of a letter from Dr. D. Kuchemann to the Secretary, Fluid Motion Sub-committee. ARC 23174
- 1961 (with J.A. Bagley)
Memorandum on the work of the Cruising Aerodynamics Group of STAC. RAE Aero/Sup/5180/DK
- 1961 Notes on the aerodynamics of the variable-sweep aircraft.
[unnumbered RAE document]
- 1961 Preliminary considerations of the elements of arc heating for wind tunnels. RAE TM Aero 718
- 1961-1970 (editor)
Progress in aeronautical sciences, 1-10. Pergamon Press *continued as Progress in aerospace sciences*
- 1962 Die aerodynamische Entwicklung von schlanken Flügeln für den Überschallflug. [Paper given at WGLR conference, Brunswick, October] Jb. 1962 der WGLR, 66-77

Slender wings for supersonic flight (adapted from ...) Shell Aviation News (294) 14-16 and (295) 14-19 (1963)

The aerodynamic evolution of slender wings for flight at supersonic speeds. RAE TM Aero 767
- 1962 On some three-dimensional flow phenomena of the transonic type. RAE TM Aero 761 + ARC 24311 + IUTAM Symposium Transsonicum, Aachen, September. Proceedings, 218-248. Springer-Verlag (1964)
- 1963 Notes on aerodynamic research on three-dimensional lifting propulsive bodies. RAE TM Aero 785 + ARC 24674
- 1963 Some notes on the aerodynamics of propulsion of lifting bodies at high speeds. RAE TM Aero 787 + ARC 24709
- 1964 Aeronautical research. RAE TM Aero 835. In Forum der Technik. Metz Verlag, Zürich.
- 1962 Hyperschallflugzeuge und ihre aerodynamischen Probleme. Jb 1964 der WGLR.

Hypersonic aircraft and their aerodynamic problems. RAE TM Aero 849 + ARC 27008 + Progress in aeronautical sciences 6, 271-353 (1965)
- 1964 Notes on a visit to the USA and Canada. RAE TM Aero 860 + ARC 26264

- 1964 Report on the IUTAM Symposium on concentrated vortex motions in fluids. RAE TM 865 + ARC 26564 + Journal of Fluid Mechanics, 21, (1) 1-20 (1965)
- 1965 The early history of slender wings for supersonic airliners. [unnumbered RAE document]
- 1965 Flugkörper, Antriebe und Strömungsmaschinen, chapter 7, 6 Auflage of Führer durch die Strömungslehre, edited by L. Prandtl. Braunschweig, Vieweg.
[Flying bodies, engines and flow machines in Guide to flow theory]
- 1965 Research on wing-body combinations and integrated shapes at supersonic and hypersonic speeds (comments). ARC 27563
- 1965 (with J. Weber)
Vortex motions. RAE TM Aero 881 + ARC 26908 + ZAMM, 45, 457-474
- 1966 (with J. Weber)
An analysis of some performance aspects of various types of aircraft designed to fly over different ranges at different speeds. RAE TR 66188 + Progress in aeronautical sciences 9, 329-456 (1968)
- 1966 The overall design concept of slender wings for supersonic flight. RAE TM Aero 958 + ARC 28685
- 1966 Possible types of flying vehicle in the future. RAE TM Aero 929 + Royal Aeronautical Society, Graduates and Students Section, Centenary Symposium: The Skyward Urge - Aviation 1866-2016 Paper.
The shape of aircraft to come (...adapted from...) New Scientist 31 (505) 130-133
- 1966 Some general aspects of the interactions between the means of propulsion and lifting bodies at hypersonic speeds. RAE TM Aero 916
- 1966 Some remarks on types of aircraft for supersonic flight. RAE TM Aero 927
- 1966 (with J.A. Bagley)
20 years' progress in aerodynamics and the changing shape of aeroplanes. RAE TM Aero 921 + Interavia, 21, 487-489
- 1967 (with J. Seddon and A. Spence)
Miss F.B. Bradfield [obituary] J. R. Aero. Soc., 71 (678) 393-394
- 1967 Entwicklungen in der Tragflügeltheorie: elfte Ludwig-Prandtl - Gedächtnis-Vorlesung, Zürich, 22 März 1967. Jb 1967 der WGLR 11-22
Some developments in aerofoil theory. RAE TR 67051
- 1967 Inviscid shear flow near the trailing edge of an aerofoil. RAE TR 67068 + ARC 29297 + Zeitschrift für Flugwissenschaften 15 (8/9) 292-294

- 1967 Looking ahead in aeronautics - 1: an aerodynamicist's prospect of the second century. RAE TM Aero 1025 + Aeronautical Journal 72 (686) 109-114 (1968) + p.24-38 of The future of aeronautics, edited by J.E. Allen and J. Bruce. Hutchinson (1970)
- 1967 A supplementary list of items of work aimed at swept-winged aircraft. RAE TM Aero 990
- 1968 Entwurfsaerodynamik: vierte Reynolds-Prandtl-Vorlesung, Köln, 8 April 1968. Jb. 1968 der DGLR, 1-12.
Aerodynamic design: the 4th Reynolds-Prandtl lecture. RAE TM Aero 1049 + ARC 30187 + Aeronautical Journal 73 (698) 101-110 (1969)
- 1968 (with K.W. Mangler and P.L. Roe)
Notes on visits to the USA, August/September 1968. RAE TM Aero 1099 + ARC 31409
- 1969 (with J.A. Bagley)
Clement Ader [letter to the editor] Flight International 95 (3126) 224
- 1969 The physics of airflows and the design of aircraft. RAE TM Aero 1127 + ARC 31995
- 1969 Technical evaluation report on AGARD Specialists' Meeting on Transonic Aerodynamics. RAE TM Aero 1123. AGARD 17
- 1970 Anglo-German cooperation in aerodynamics. RAE TM Aero 1228
- 1970 Fluid mechanics and aircraft design (6th Nilakantan memorial lecture) RAE TM Aero 1205 + Journal of the Aeronautical Society of India 22 (3) 141-156
- [REDACTED]**
- 1970 Notes on Aerodynamics Department, RAE. RAE TM Aero 1254 + ARC 32403
- 1970-1975 (editor)
Progress in aerospace sciences 11-16. Pergamon Press
- 1970 Some brief remarks on research in the field of unsteady aerodynamics. RAE TM Aero 1189 + ARC 31781
- 1970 Some future possibilities in air transport. RAE TM Aero 1240 + ARC 32327
- 1970 Some remarks on the interference between a swept wing and a fuselage. RAE TR 70093 + AGARD CP 71 paper 1-9
- 1970 A survey of some European hypersonic research. RAE TM Aero 1239
- 1970 (with E.C. Maskell)
Vortex motions - some illustrations. RAE TM Aero 1229

- 1971 Comments on Turbulent Shear Flows. AGARD CP 93 Paper B-1
- 1971 Facilities and techniques for aerodynamic testing at transonic speeds and high Reynolds numbers. (A report on an AGARD specialists' meeting.) RAE TM Aero 1321 + AGARD R-588
- 1971 On the possibility of designing wings that combine vortex flows with classical aerofoil flows. RAE TM Aero 1363
- 1971 Ludwig Prandtl. RAE TM Aero 1337 + *entry in* Encyclopaedia Britannica
- 1971 Some remarks on the role of air transport within the general transport pattern. RAE TM Aero 1298
- 1971 Some suggestions for the work of the LaWs Working Group. AGARD LaWs paper No.1
- 1971 "Turbulence" and vortex motions. RAE TM Aero 1305 + Zeitschrift für Flugwissenschaften 19 (8/9) 305-308
- 1972 The aerodynamic design of aircraft - an introduction, part 1. RAE TM 1421 + *to be published as* chapter 1 of the aerodynamic design of aircraft - an introduction. Pergamon Press
- 1972 Comments on a paper by A.M.O. Smith on the "aerodynamics of high-lift airfoil systems". AGARD CP 102, 10/25-10/26
- 1972 Flight testing. AGARD LaWs paper 94
- 1972 *(with S.M. Damms)*
On a vortex-sheet model for the mixing between two parallel streams. RAE TR 72139
- 1972 *(with S.M. Damms)*
Possible vortex motions in shear layers. RAE TM Aero 1430
- 1972 *(with J.H.B. Smith)*
Report on 13th Congress of the International Union for Theoretical and Applied Mechanics, Moscow 1972. RAE TM Aero 1460
- 1973 The aerodynamic design of aircraft - an introduction, part 2. RAE TM Aero 1486 + *to be published as* chapter 2 of The aerodynamic design of aircraft - an introduction. Pergamon Press
- 1973 The aerodynamic design of aircraft - an introduction, part 3. RAE TM Aero 1535 + *to be published as* chapter 3 of The aerodynamic design of aircraft - an introduction. Pergamon Press
- 1973 On some possible ways of fulfilling the Kutta Condition. Schiffstechnik 20, (102) 72-73
- 1973 Problems of designing and testing swept-winged aircraft for flight at transonic speeds. Lectures presented at International Centre for Mechanical Sciences (CISM), Udine, October 1973

- 1973 (with P.G. Pugh)
Some observations on options for a large transonic windtunnel.
RAE TM Aero 1488 + AGARD-R615 (1974)
- 1974 The aerodynamic design of aircraft - an introduction, part 4.
RAE TM Aero 1580 + *to be published as* chapter 4 of The aerodynamic
design of aircraft - an introduction. Pergamon Press
- 1974 An evolutionary strategy for aerodynamic design? In Topics in
contemporary mechanics. International Centre for the Mechanical
Sciences (CISM), Udine, courses and lectures 210. Springer-Verlag
- 1974 (with S.M. Darms)
On a vortex-sheet model for the mixing between two parallel
streams - I: Description of the model and experimental evidence.
Proceedings of the Royal Society A 339, 451
- 1974 (with H.H.B.M. Thomas)
Sidney Barrington Gates, 1893-1973. RAE TM Aero 1565 + Biographical
memoirs of fellows of the Royal Society 20, 181
- 1974 (with J. Weber)
Some design aspects of slender aircraft for supersonic flight.
RAE TM Aero 1582
- 1974 Some European collaborative research programmes in aerodynamics
[...the text of the 22nd Barnwell memorial lecture of the Bristol
Branch of the Royal Aeronautical Society] RAE TM Aero 1612 +
Aeronautical Journal 79 (775) (1975)
- 1975 The aerodynamic design of aircraft - an introduction, part 5.
RAE TM Aero 1622 + *to be published as* chapter 5 of The aerodynamic
design of aircraft - an introduction. Pergamon Press
- 1975 The aerodynamic design of aircraft - an introduction, part 6.
RAE TM Aero 1647 + *to be published as* chapter 6 of The aerodynamic
design of aircraft - an introduction. Pergamon Press
- 1975 Fluid mechanics and the design of new slender aircraft. Physics in
Technology 6 (6) 239-244
- 1975 The Göttingen spirit *opening remarks at the AGARD Fluid Dynamics
Panel symposium, Göttingen, May 1975* AGARD CP-168, VII-VIII
- 1975 Looking ahead in fluid dynamics. AGARD Highlights 75/2, 3

REPORT DOCUMENTATION PAGE

Overall security classification of this page

UNCLASSIFIED

As far as possible this page should contain only unclassified information. If it is necessary to enter classified information, the box above must be marked to indicate the classification, e.g. Restricted, Confidential or Secret.

| | | | | | |
|---|--|--|---|-------------|------------|
| 1. DRIC Reference (to be added by DRIC) | 2. Originator's Reference RAE Lib. Bib. 357 ✓ | 3. Agency Reference N/A | 4. Report Security Classification/Marking UNCLASSIFIED | | |
| 5. DRIC Code for Originator 850100 | | 6. Originator (Corporate Author) Name and Location Royal Aircraft Establishment, Farnborough, Hants, UK | | | |
| 5a. Sponsoring Agency's Code N/A | | 6a. Sponsoring Agency (Contract Authority) Name and Location N/A | | | |
| 7. Title The publications of Dietrich Kuchemann | | | | | |
| 7a. (For Translations) Title in Foreign Language | | | | | |
| 7b. (For Conference Papers) Title, Place and Date of Conference | | | | | |
| 8. Compiled by Slaney, R.W. | 9a. Author 2 | 9b. Authors 3, 4 | 10. Date August 1976 | Pages 23 | Refs. - |
| 11. Contract Number N/A | 12. Period N/A | 13. Project | 14. Other Reference Nos. | | |
| 15. Distribution statement (a) Controlled by - Library Services Department, RAE, Farnborough (b) Special limitations (if any) - | | | | | |
| 16. Descriptors (Keywords) (Descriptors marked * are selected from TEST) Bibliographies*. Aerodynamics*. Aircraft design. Aerofoil design. Fluid dynamics*. | | | | | |
| 17. Abstract Reports quoted are not necessarily available to members of the public, or to commercial organisations. Requests for RAE numbered documents should be addressed to the Defence Research Information Centre, Station Square House, St. Mary Cray, Orpington, Kent BR5 3RE. | | | | | |